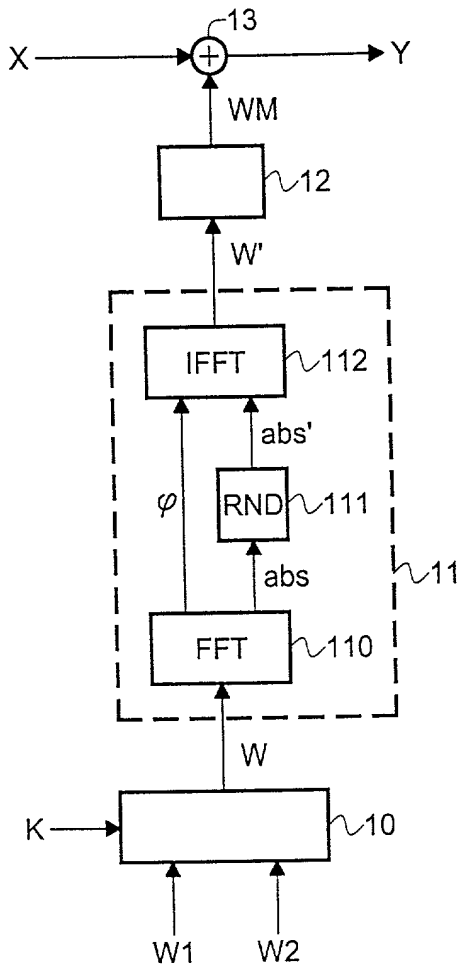
13
X
Y
WM
12
W'
IFFT
112
abs'
φ
RND
111
abs
11
FFT
110
W
K
10
W1
W2

FIG.1

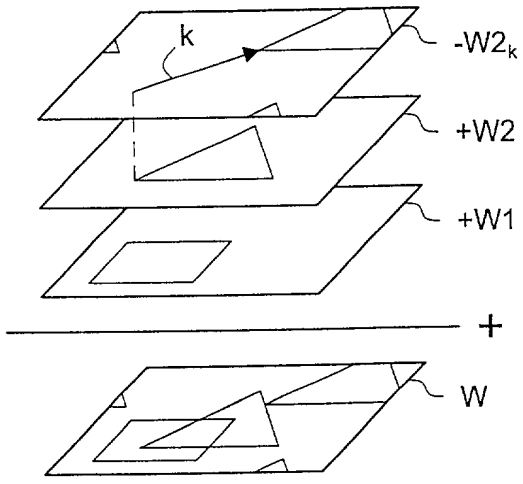
k
-W2k
+W2
+W1
+
W

FIG.2

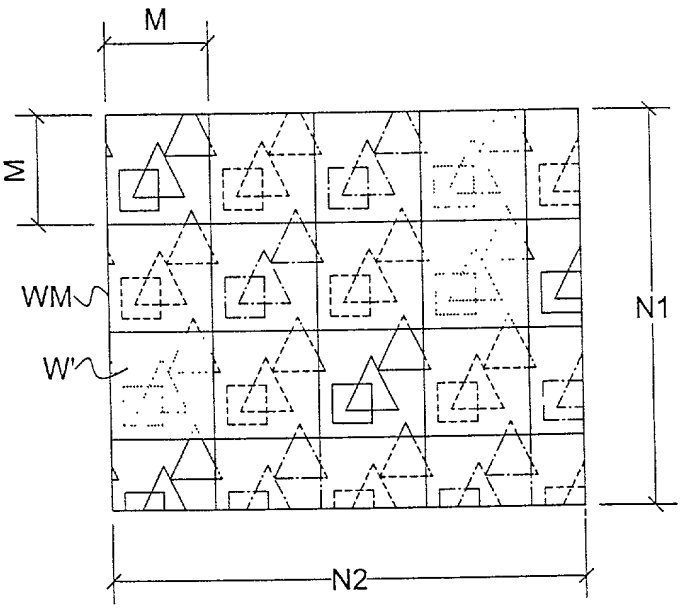
M
M
WM
W'
N1
N2

FIG.3

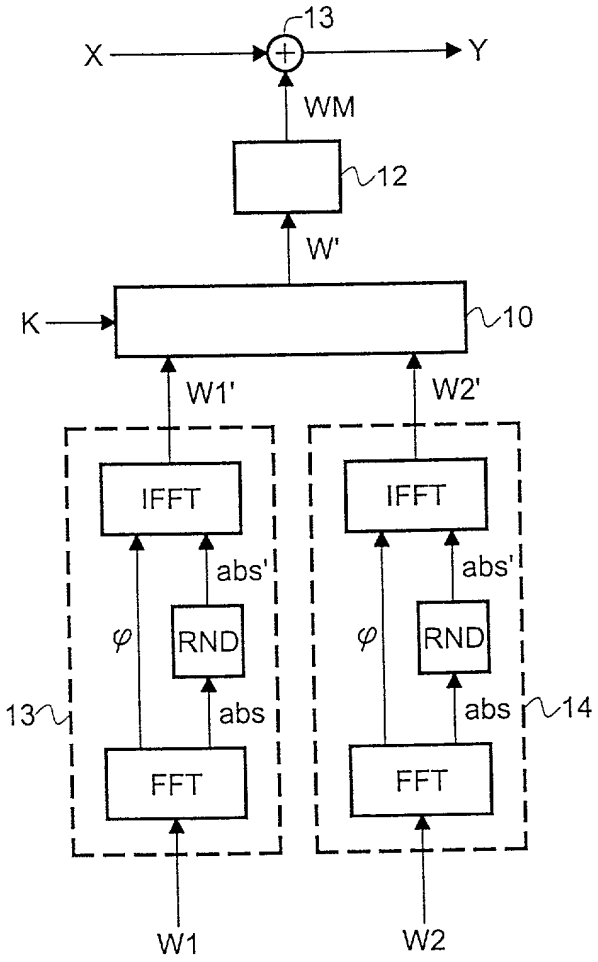
13
X
Y
WM
12
W'
K
10
W1'
W2'
IFFT
IFFT
abs'
abs'
φ
RND
φ
RND
13
abs
abs
14
FFT
FFT
W1
W2

FIG.4

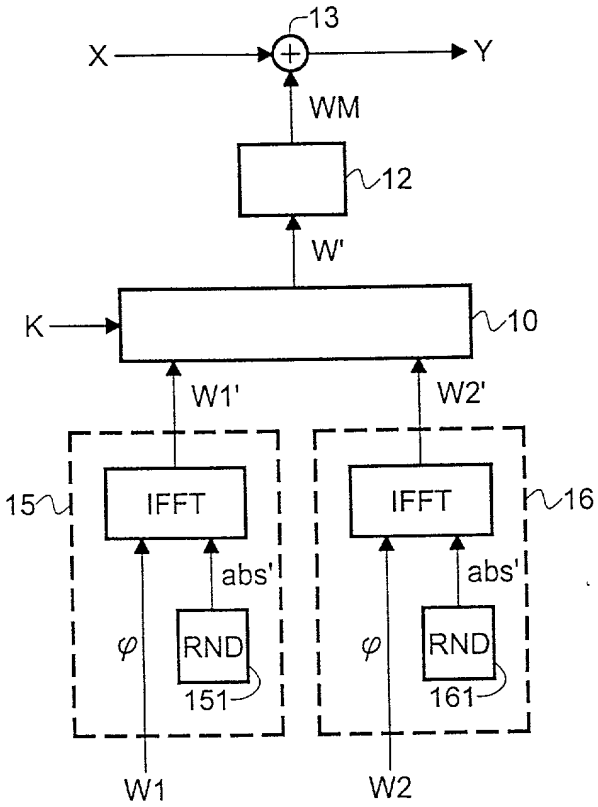
13
X
Y
WM
12
W'
K
10
W1'
W2'
15
IFFT
IFFT
16
abs'
abs'
φ
RND
151
φ
RND
161
W1
W2

FIG.5

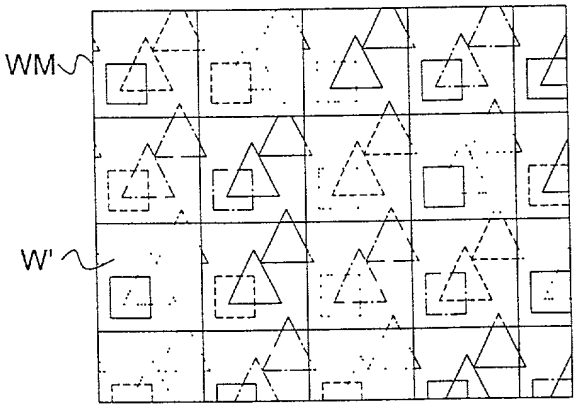
WM
W'

FIG.6

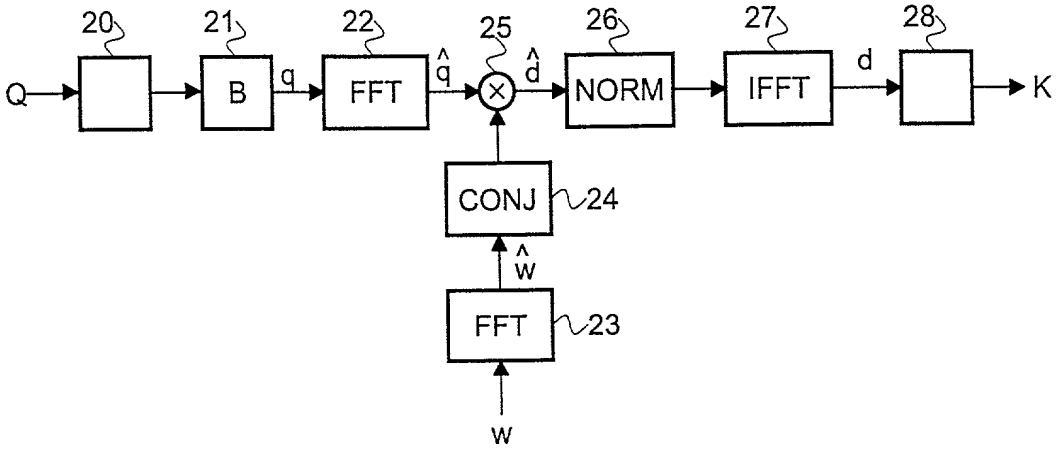

FIG.7

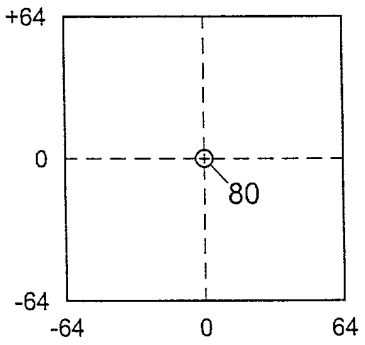

FIG.8A

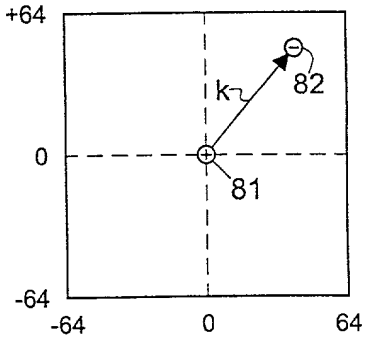

FIG.8B

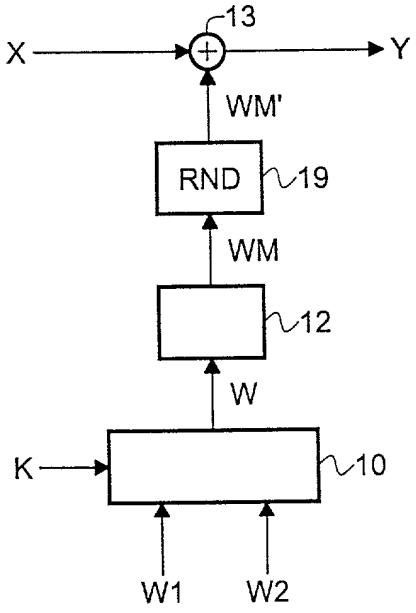

FIG.9

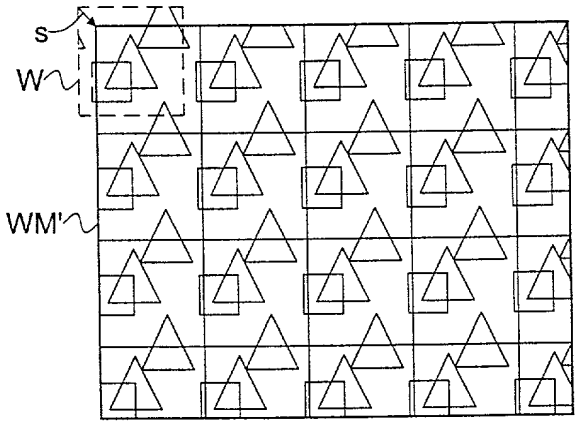

FIG.10

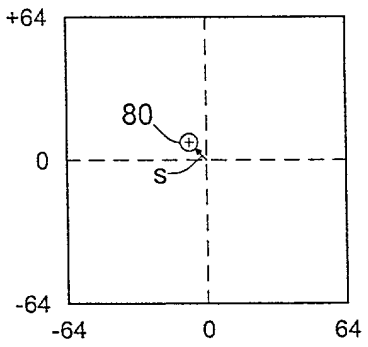

FIG.11A

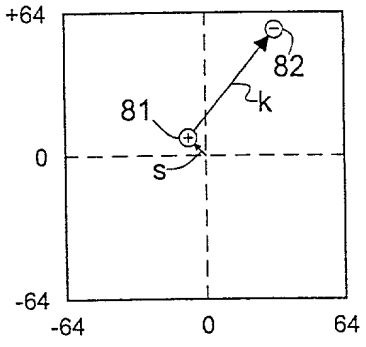

FIG.11B